

Converting Colors

$Yxy(29.9756, 0.3170, 0.3343)$

Have a look what the booklet for
Yxy(29.9756, 0.3170, 0.3343)
contains.

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Color

Yxy(30.0233, 0.3176, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	969591
RGB	150, 149, 145
RGB Percent	59%, 58%, 57%
CMY	0.4117, 0.4157, 0.4314
CMYK	0.00, 0.01, 0.03, 0.41
HSL	48°, 2%, 58%
HSV	48°, 3%, 59%
XYZ	28.4384, 30.0233, 31.0799
YIQ	148.8430, 1.8800, -1.0320

Conversions

Conversions Part 2

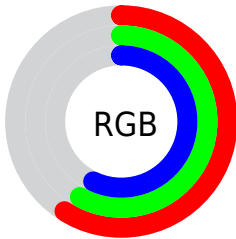
Format	Color
RYB	146, 150, 145
Decimal	9868689
CIELab	61.67, -0.38, 2.24
CIELCh	62, 2.269, 99.720
Yxy	30.0233, 0.3176, 0.3353
Android (android.graphics.Color)	4288058769 (0xFF969591)
YUV	148.8430, -1.8946, 1.0147
Hunter-Lab	54.7935, -3.2453, 4.7251

Details

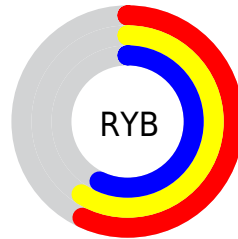
The Yxy color **30.0233, 0.3176, 0.3353** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.7843, 0.3078, 0.3226**, and the grayscale version is **29.9946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6728, 0.3164, 0.3337**, and **12.2142, 0.3184, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **28.6374, 0.3329, 0.3547**, and if you desaturate by 10%, it is **31.4983, 0.3034, 0.3169**.

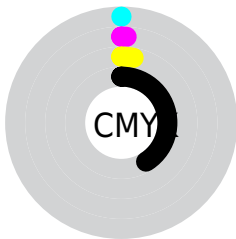
Distribution



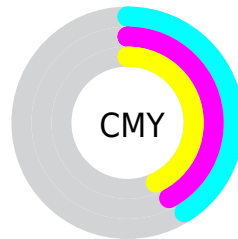
- Red (59%)
- Green (58%)
- Blue (57%)



- Red (57%)
- Yellow (59%)
- Blue (57%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (41%)



- Cyan (41%)
- Magenta (42%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0233, 0.3176, 0.3353 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.0233, 0.3176, 0.3353 by changing the saturation by 10% instead.

■ 30.0233, 0.3176,
0.3353

■ 30.0233, 0.3176,
0.3353

302.0130, 0.3150,
0.3319

■ 19.8563, 0.3183,
0.3362

■ 59.6990, 0.3166,
0.3340

■ 12.2906, 0.3193,
0.3375

■ 79.9765, 0.3162,
0.3335

■ 6.9419, 0.3207,
0.3393

104.3929, 0.3159,
0.3332

■ 3.4258, 0.3228,
0.3420

133.3327, 0.3157,
0.3328

■ 1.3579, 0.3264,
0.3467

167.1802, 0.3155,
0.3326

■ 0.1854, 0.4195,
0.4661

206.3198, 0.3153,

■ 0.0000, 0.0000,

0.3323

0.0000

251.1360, 0.3151,
0.3321

■ 30.0233, 0.3176,
0.3353

■ 30.0233, 0.3176,
0.3353

■ 28.6374, 0.3329,
0.3547

■ 31.4983, 0.3034,
0.3169

■ 27.3341, 0.3492,
0.3746

■ 33.0610, 0.2905,
0.2996

■ 26.1121, 0.3663,
0.3947

■ 34.7149, 0.2787,
0.2835

■ 24.9683, 0.3837,
0.4141

■ 36.4623, 0.2681,
0.2686

■ 23.8997, 0.4009,
0.4321

■ 38.3054, 0.2585,
0.2550

■ 22.9029, 0.4172,
0.4477

■ 40.2461, 0.2499,
0.2426

■ 21.9739, 0.4319,
0.4600

■ 42.2864, 0.2422,
0.2313

■ 21.1087, 0.4444,
0.4683

■ 43.7667, 0.2402,
0.2303

■ 20.3019, 0.4542,
0.4720

■ 44.9564, 0.2408,
0.2341

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.0233, 0.3196, 0.3339



30.0233, 0.3176, 0.3353



30.0233, 0.3143, 0.3350

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.0233, 0.3176, 0.3353



30.0233, 0.3058, 0.3268



30.0233, 0.3148, 0.3250

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.0233, 0.3176, 0.3353



28.7843, 0.3078, 0.3226

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.0233, 0.3111, 0.3231



30.0233, 0.3176, 0.3353



30.0233, 0.3059, 0.3241

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.0233, 0.3176, 0.3353



30.0233, 0.3075, 0.3301



30.0233, 0.3079, 0.3228



30.0233, 0.3180, 0.3280

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0233, 0.3176, 0.3353



30.0233, 0.3118, 0.3339



30.0233, 0.3079, 0.3228



30.0233, 0.3136, 0.3242

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.0246, 0.3176, 0.3353



53.5619, 0.3142, 0.3309



28.8119, 0.3169, 0.3273



11.8737, 0.3141, 0.3308



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0246, 0.3176, 0.3353



52.7863, 0.3187, 0.3367



30.2160, 0.3160, 0.3369



6.6902, 0.3194, 0.3377



16.4530, 0.4595, 0.4734



0.2421, 0.4375, 0.4908

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.7843, 0.3078, 0.3226



50.1386, 0.3067, 0.3212



28.5998, 0.3093, 0.3210



6.3125, 0.3060, 0.3202



2.6594, 0.1566, 0.0836



0.0675, 0.1752, 0.1507

Previews

White Background



This preview shows how the Yxy color 30.0233, 0.3176, 0.3353 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.0233, 0.3176, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

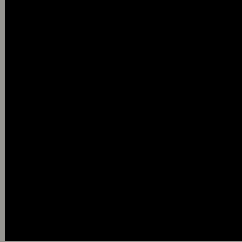
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

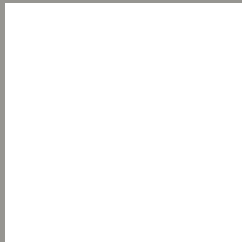
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0233, 0.3176, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 30.0233, 0.3176, 0.3353.



This preview shows how white text looks on a background with the Yxy color 30.0233, 0.3176, 0.3353.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.0233, 0.3176, 0.3353

Protanopia

29.9964, 0.3208, 0.3337

Deuteranopia

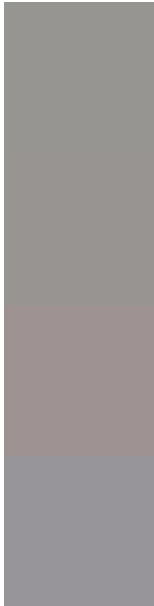
29.9144, 0.3321, 0.3260



Tritanopia

30.0460, 0.3064, 0.3106

Trichromacy



Original Color

30.0233, 0.3176, 0.3353

Protanomaly

29.8995, 0.3198, 0.3337

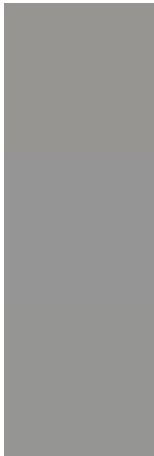
Deuteranomaly

30.0040, 0.3264, 0.3290

Tritanomaly

30.0922, 0.3101, 0.3197

Monochromacy



Original Color

30.0233, 0.3176, 0.3353

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.0226, 0.3137, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0233, 0.3176, 0.3353 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 149, 145)` looks like.

```
.text, #text, p{  
    color:rgb(150, 149, 145)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 149, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 149, 145) }
```

Border

The CSS property to change the border of an element to Yxy 30.0233, 0.3176, 0.3353 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 149, 145) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(150, 149, 145) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(150, 149, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 149, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 149, 145);  
box-shadow:4px 4px 4px 4px rgb(150, 149,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0233, 0.3176, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 149, 145) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150,  
149, 145) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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